

**AMENDMENTS**

**In the Claims**

Please amend claims 1, 4, 6-9, 12, 14-15, 17-18, and 20 as shown herein.

5 Claims 1-20 are pending and are listed following:

1. (currently amended) A method for calibrating a printing device, comprising the following steps:

10 (a) performing an on-media calibration, including the following substeps:

(a.1) placing colorant on print media,

(a.2) performing a measurement to obtain on-media calibration measured values of the colorant on the print media, and

15 (a.3) using the on-media calibration measured values to calibrate the printing device;

(b) performing an off-media calibration to obtain off-media calibration measured values of the colorant, the off-media calibration being performed by placing the colorant on other than print media;

20 (c) making a correlation between the on-media calibration measured values of the colorant placed on the print media and the off-media calibration measured values of the colorant placed on other than the print media; and,

25 (d) performing subsequent off-media calibrations by placing the colorant on other than the print media to obtain additional ~~in which~~ the off-media calibration measured values which are used along with the correlation between the on-media calibration measured values and the off-media calibration measured values to calibrate the printing device.

2. **(original)** A method as in claim 1 wherein in substep (a.1) the colorant is toner.

3. **(original)** A method as in claim 1 wherein in substep (a.1) the  
5 colorant is ink.

4. **(currently amended)** A method as in claim 1 wherein in substep (a.2) the measurement is performed using at least one of ~~the following~~: a densitometer, a colorimeter, ~~and~~ or a spectrophotometer.

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5. **(previously presented)** A method as in claim 1 wherein substep (a.3) is performed by varying print parameters of the printing device until the on-media calibration measured values are substantially equal to target measure values determined during manufacture of the printing device.

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6. **(currently amended)** A method as in claim 1 wherein step (b) includes the following substeps:

(b.1) placing the colorant on a transportation belt of the printing device;  
and,

20 (b.2) performing a measurement of the colorant on the transportation belt to obtain the off-media calibration measured values.

7. **(currently amended)** A method as in claim 1 wherein in substep (a.1) the colorant is placed on the print media in half-toned patches.

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8. (currently amended) A method as in claim 7 wherein step (b) includes the following substeps:

(b.1) placing the colorant on a transportation belt of the printing device, the placed colorant placed on the transport belt being arranged in half-toned patches that correspond to the half-toned patches placed in substep (a.1); and,

(b.2) performing a measurement of the colorant on the transportation belt to obtain the off-media calibration measured values.

9. (currently amended) A self-calibrating printing device, comprising:

a printer transportation belt for transporting print media;

5 a marking engine ~~for in the course of normal printing placing configured~~  
~~to apply colorant on print media, the marking engine also for placing colorant~~  
~~on the print media for printing and~~ during on-media calibration, the marking  
engine further configured to apply the ~~and for placing~~ colorant on the printer  
transportation belt during off-media calibration; and,

10 a sensing device, ~~wherein during on-media calibration, the sensing~~  
~~device performs~~ configured to perform a first measurement to obtain on-media  
calibration measured values of the colorant applied to the print media, and  
~~wherein during off-media calibration, the sensing device performs further~~  
configured to perform a second measurement to obtain off-media calibration  
measured values of the colorant applied to the printer transport belt;

15 wherein the self-calibrating printing device uses the on-media  
calibration measured values of the colorant applied to the print media to  
calibrate the printing device;

wherein the self-calibrating printing device makes a correlation between  
the on-media calibration measured values of the colorant applied to the print  
20 media and the off-media calibration measured values of the colorant applied to  
the printer transport belt; and,

wherein, during subsequent off-media calibrations, the self-calibrating  
printing device uses the additional off-media calibration measured values of  
colorant applied to the printer transport belt along with the correlation between  
25 the on-media calibration measured values and the off-media calibration  
measured values to calibrate the printing device.

10. (original) A self-calibrating printing device as in claim 9 wherein the colorant is toner.

11. (original) A self-calibrating printing device as in claim 9  
5 wherein the colorant is ink.

12. (currently amended) A self-calibrating printing device as in claim 9 wherein the sensor comprises at least one of the following: a densitometer, a colorimeter, ~~and~~ or a spectrophotometer.

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13. (original) A self-calibrating printing device as in claim 9 wherein during on-media calibration, the printing device varies print parameters until the on-media calibration measured values are substantially equal to target measure values.

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14. (currently amended) A self-calibrating printing device as in claim 9 wherein during on-media calibration, the marking engine ~~places~~ applies the colorant on to the print media in half-toned patches.

20 15. (currently amended) A self-calibrating printing device as in claim 14 wherein during off-media calibration, the colorant ~~placed on~~ applied to the transportation belt is arranged in half-toned patches that correspond to the half-toned patches ~~placed on~~ applied to the print media during on-media calibration.

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16. (original) A self-calibrating printing device as in claim 9 wherein the sensing device comprises a plurality of sensors.

17. (currently amended) A printing device, comprising:

a colorant placing engine configured to place for in the course of normal  
~~printing placing~~ colorant on print media, ~~the colorant placing engine also for~~  
5 ~~placing colorant on the print media for printing and~~ during on-media  
calibration, the colorant placing engine further configured to place the colorant  
on other than print media during off-media calibration; and,

a sensing device, ~~wherein during on-media calibration, the sensing~~  
~~device performs~~ configured to perform a first measurement to obtain on-media  
10 calibration measured values of colorant density, and further configured to  
perform a second measurement to obtain off-media calibration measured values  
of the colorant density;

wherein the printing device uses the on-media calibration measured  
values to calibrate the printing device;

15 wherein the printing device makes a correlation between the on-media  
calibration measured values and the off-media calibration measured values  
calculated during an initial off-media calibration cycle; and,

wherein, during subsequent off-media calibration ~~eyes~~ cycles, the  
printing device uses ~~the~~ additional off-media calibration measured values along  
20 with the correlation between the on-media calibration measured values and the  
off-media calibration measured values to calibrate the printing device.

18. (currently amended) A printing device as in claim 17  
wherein the sensor comprises at least one of the ~~following~~: a densitometer, a  
25 colorimeter, and or a spectrophotometer.

19. (previously presented) A printing device as in claim 17 wherein during on-media calibration, the printing device varies print parameters until the on-media calibration measured values are substantially equal to target measure values determined during manufacture of the printing  
5 device.

20. (currently amended) A printing device as in claim 17 wherein during on-media calibration, the colorant placing engine places the colorant on the print media in half-toned patches.

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